

Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Long Creek

Waterbody Segment at a Glance:

County: Caldwell
Nearby Cities: Kingston
Length of impairment: 0.2 miles
Pollutant: Nonvolatile Suspended Solids (NVSS)
Source: Everett #6 Quarry



State map showing location of watershed

Note: This stream segment is proposed for deletion from the 2002 303(d) list. The 1998 303(d) entry listed Nonfilterable Residue as the pollutant. That is being changed in the proposed 2002 303(d) list to NVSS to better describe the pollutant.

TMDL Priority Ranking: Medium

Description of the Problem

Beneficial uses of Long Creek

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life and Human Health associated with Fish Consumption.

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

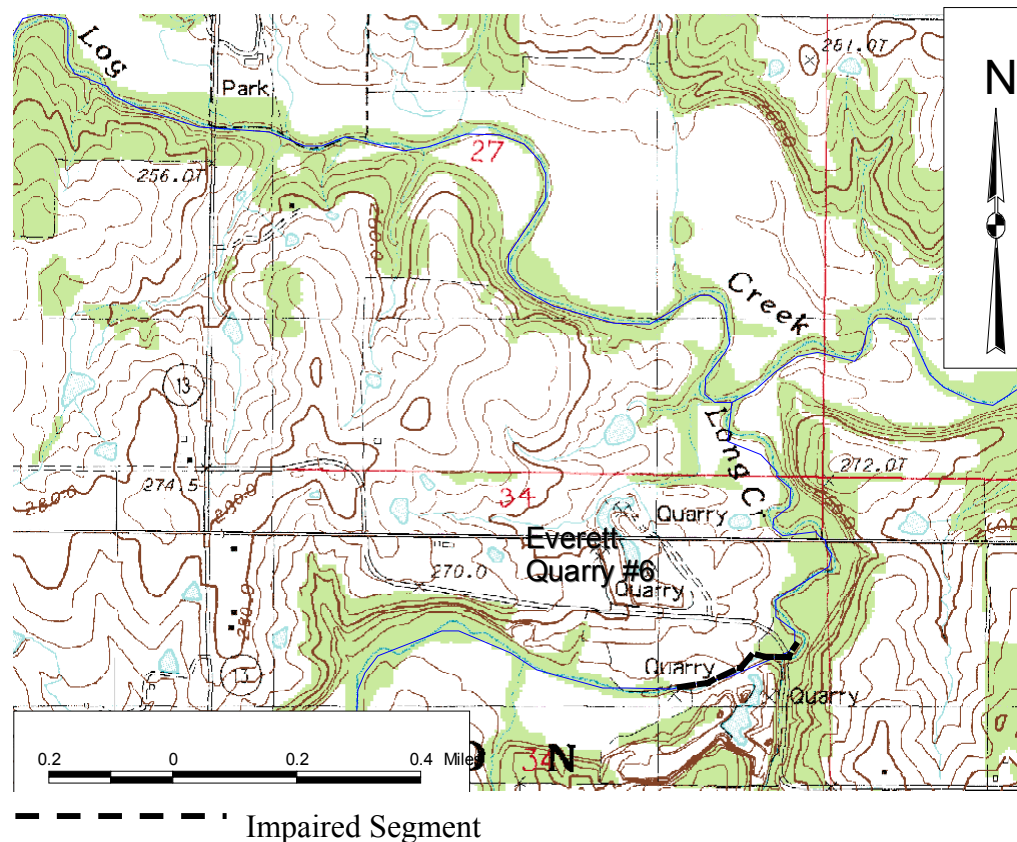
General criteria contained in Missouri's Water Quality Standards 10 CSR 20-7.030 (3)(A)(C) and (G). These criteria state:

- (A) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
- (C) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
- (G) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;

The impairment is being changed for the new 303(d) list from sediment to Non-Volatile Suspended Solids (NVSS). NVSS results from soil erosion or erosion of mine waste materials or stockpiles (usually silt, sand or gravel). The new listing gives a clearer picture of the specific pollutants affecting the water.

Erosion from the operation of a limestone quarry was causing deposition of limestone solids in Long Creek. An examination of the kinds of aquatic invertebrate animals (water insects and crayfish) in the stream indicated their habitat was being degraded. A recent inspection by the Department of Natural Resources showed the quarry had improved stormwater controls and the condition of the stream was much better. It is proposed for deletion from the 2002 303(d) list.

Location Map of Long Creek, Caldwell County Showing Listed Segment



For more information call or write:

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